

Listing of Claims:

1. (Currently Amended) A magnetic core comprising at least one gap in a magnetic path and a permanent magnet inserted in the gap, ~~said magnetic case having~~ wherein said magnetic core has an alternating current magnetic permeability at 20 kHz of at
5 least 45 or more in a magnetic field of 120 Oe under application of direct current and a core loss characteristic of not more than 100 kW/m³ ~~or less under the conditions of~~ at 20 kHz and a maximum magnetic flux density of 0.1 T.

2. (Currently Amended) The magnetic core according to claim 1, wherein the magnetic core has an ~~having~~ initial permeability of at least 100 or more.

3. (Currently Amended) The magnetic core according to claim 1, ~~comprising~~ wherein the magnetic core comprises one of Ni-Zn ferrite ~~or~~ and Mn-Zn ferrite, and wherein the magnet is a bonded magnet comprising a rare-earth magnet powder and a binder.

4. (Currently Amended) The magnetic core according to claim 3, wherein the ~~bonded magnet comprises the~~ rare-earth magnet powder ~~having~~ has an average particle diameter of ~~0-10~~ to

no more than 10 μm ~~(excluding 0 μm)~~ and the binder has a volume %
5 of 5 to 30, ~~vol%, and also has~~ and wherein the bonded magnet has
a resistivity of at least 1 $\Omega\cdot\text{cm}$ ~~or more~~ and an intrinsic
coercive force of at least 5 kOe ~~or more~~.

5. (Currently Amended) The magnetic core according to
claim 1, wherein the permanent magnet is a bonded magnet
comprising a magnet powder dispersed in a resin [[,]] and has a
resistivity of at least 0.1 $\Omega\cdot\text{cm}$ ~~or more~~, and wherein the magnet
5 powder ~~having~~ has an intrinsic coercive force of at least 5 kOe
~~or more~~, a Curie point T_c of at least 300°C ~~or more~~, and an
average particle diameter of not more than 150 μm ~~or less~~.

6. (Original) The magnetic core according to claim 5,
wherein the magnet powder has an average particle diameter of 2.0
to 50 μm .

7. (Currently Amended) The magnetic core according to
claim 6, wherein the resin content is at least 10 vol% ~~or more~~.

8. (Original) The magnetic core according to claim 6,
wherein the magnet powder is a rare-earth magnet powder.

9. (Currently Amended) The magnetic core according to claim 6, wherein a molding compressibility of the magnetic core is at least 20% ~~or more~~.

10. (Currently Amended) The magnetic core according to claim 6, wherein the rare-earth magnet powder ~~is used for the bonded magnet and further~~ comprises one of a silane coupling agent ~~or~~ and a titanium coupling agent.

11. (Original) The magnetic core according to claim 6, wherein the bonded magnet has anisotropy due to magnetic field orientation during production thereof.

12. (Original) The magnetic core according to claim 6, wherein the magnet powder is coated with a surfactant.

13. (Withdrawn-Amended) The magnetic core according to claim 6, wherein the permanent magnet has a center line average roughness of not more than 10 μm ~~or less~~.

14. (Currently Amended) The magnetic core according to claim 6, wherein the permanent magnet has a resistivity of at least 1 $\Omega\cdot\text{cm}$ ~~or more~~.

15. (Original) The magnetic core according to claim 14, wherein the permanent magnet is produced by die molding.

16. (Withdrawn) The magnetic core according to claim 15, wherein the permanent magnet is produced by hot press.

17. (Currently Amended) The magnetic core according to claim 6, wherein the permanent magnet has ~~the~~ a total thickness of not more than 500 μm ~~or less~~.

18. (Withdrawn-Amended) The magnetic core according to claim 17, wherein the permanent magnet is produced from a mixed coating of a resin and magnet powder by a film making method. ~~7 such as a doctor blade method and printing method.~~

19. (Withdrawn-Amended) The magnetic core according to claim 17, wherein the permanent magnet has a surface glossiness of at least 25% ~~or more~~.

20. (Original) The magnetic core according to claim 6, wherein the resin is at least one selected from the group consisting of polypropylene resins, 6-nylon resins, 12-nylon resins, polyimide resins, polyethylene resins, and epoxy resins.

21. (Currently Amended) The magnetic core according to claim 6, wherein the surface of the permanent magnet is coated with one of a resin ~~or~~ and a heat-resistant coating having a heat resistance temperature of at least 120°C ~~or more~~.

22. (Original) The magnetic core according to claim 6, wherein the magnet powder is a rare-earth magnet powder selected from the group consisting of SmCo, NdFeB, and SmFeN.

23. (Currently Amended) The magnetic core according to claim 6, wherein the magnet powder has an intrinsic coercive force of at least 10 kOe ~~or more~~, a Curie point of at least 500°C ~~or more~~, and an average particle diameter of ~~the powder of~~ 2.5 to 50 µm.

24. (Currently Amended) The magnetic core according to claim 23, wherein the magnet powder is ~~a~~ an Sm-Co rare-earth magnet powder.

25. (Original) The magnetic core according to claim 23, wherein the SmCo rare-earth magnet powder is an alloy powder represented by $\text{Sm}(\text{Co}_{\text{bal}}\text{Fe}_{0.15 \text{ to } 0.25}\text{Cu}_{0.05 \text{ to } 0.06}\text{Zr}_{0.02 \text{ to } 0.03})_{7.0 \text{ to } 8.5}$.

26. (Currently Amended) The magnetic core according to claim 23, wherein the resin content is at least 30 vol% ~~or more~~.

27. (Original) The magnetic core according to claim 23, wherein the resin is at least one selected from the group consisting of polyimide resins, poly(amide-imide) resins, epoxy resins, poly(phenylene sulfide) resins, silicone resins,
5 polyester resins, aromatic polyamide resins, and liquid crystal polymers.

28. (Previously Presented) An inductor component comprising the magnetic core according to claim 1, wherein at least one turn of coil is applied to the magnetic core ~~according to claim 1~~.